

**A TELEMETRY DUTY CYCLE MANAGEMENT SYSTEM FOR AN  
IMPLANTABLE MEDICAL DEVICE**

**Abstract**

5           A telemetry system enabling radio frequency (RF) communications between an  
implantable medical device and an external device, or programmer, in which the RF  
circuitry is normally maintained in a powered down state in order to conserve power.  
At synchronized wakeup intervals, one of the devices designated as a master device  
powers up its RF transmitter to request a communications session, and the other device  
10   designated as a slave device powers up its RF transmitter to listen for the request.  
Telemetry is conducted using a far field or near field communication link.

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